

I CLAIM:

1. A first flush water diverter comprising a T-piece with associated rainwater collection chamber, which T-piece is adapted for connection in a rainwater flow path to intercept the flow of rainwater from a roof into a downpipe or directly to a storage or usage area, said collection chamber including a float which seals on a seat adjacent a T-piece inlet to the collection chamber when the collection chamber is charged with rainwater and having a diameter which is an integral multiple of the diameter of the T-piece inlet, the said collection chamber having a rainwater carrying capacity defined by the formula: $DF = RA \times PF \times 1000$ where
 - 15 **DF** is the rainwater carrying capacity, or diversion factor, measured in litres,
 - RA** is the associated roof area measured in square metres,
 - PF** is the Pollution Factor for the roof location which is determined on sit and varies between 0.0005 for light pollution locations,
 - 20 and wherein said collection chamber includes an outlet and associated flow control valve to regulate the flow of diverted rainwater from the collection chamber.
- 25 2. A first flush water diverter as claimed in claim 1, wherein the collection chamber is a pvc tube having a diameter of approximately 300mm.
3. A first flush water diverter as claimed in claim 2,
 - 30 wherein the pvc tube has a length of between about 225mm and 2005mm.
4. A first flush water diverter as claimed in claim 1 or claim 2, wherein the collection chamber is adapted for
 - 35 support on a stand or for connection to a wall or post.
5. A first flush water diverter as claimed in claim 1 and wherein a hose connection is fitted to the flow

control valve.

6. A first flush water diverter as claimed in claim 1,
wherein a conical cap connects the T-piece to the
5 collection chamber.

7. A first flush water diverter as claimed in claim 1,
wherein a conical receptacle is fitted to the lower end
of the collection chamber which houses the outlet.
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8. A first flush water diverter as claimed in claim 1,
wherein a filter screen is provided at the outlet.

9. A first flush water diverter as claimed in claim 1,
15 wherein the float is a ball which freely floats on the
surface of the rainwater which collects in the collection
chamber.

10. A first flush water diverter as claimed in claim 1
20 and including a plurality of floating balls within the
collection chamber.